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PHOTOGRAPHIC INTERPRETATION REPORT

SUMMARY

Declass Review, NIMA/DoD



25X1A

MISSION 5516

3 JUNE 1966

NPIC/R-194/66
JUNE 1966

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GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

[illegible]

NPIC	C/NORFORN	25X1C
B-104/66	June 1966	

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PREFACE

This summary report contains additional information on "new" and "change" targets and order of battle information on all targets listed in the index (M1) for this mission.

Items are arranged in sections.

The "New" section provides a description of targets newly identified or known but reported for the first time by NPIC.

The "Change" section provides a description of previously reported installations showing a major change, or those where an analysis of current photography furnishes more precise information.

The "Order of Battle" section provides information on targets where order of battle can be identified.

When there are no "New" or "Change" targets, or order of battle information, the appropriate section is omitted.

"New" and "change" targets are arranged 1) by country, 2) within the country according to subject, 3) within the subject by WAC area, and 4) within the WAC area by geographic coordinates in ascending order. Order of battle information is arranged 1) by subject, 2) within the subject according to country, 3) within the country by WAC area, and 4) within the WAC area by geographic coordinates in ascending order.

Map base used for derivation of coordinates is the best available among these series: US Air Target Chart, Series 200; AMS; ONC; or DIA JOG, 1:250,000.

The header line for each target contains, reading from left to right, the target name, the geographic coordinates,

the World Aeronautical Chart number, the Bombing Encyclopedia (BE) number, and the NPIC target number.

The COMOR target number, when available, appears above the photo reference data.

Photo reference data includes frame numbers and symbols denoting limiting conditions, photo interpretability, target coverage, and the mode.

Symbols for limiting conditions affecting photography are C (Clear), SC (Scattered Cloud Cover), HC (Heavy Cloud Cover), H (Haze), CS (Cloud Shadow), S (Snow), O (Obliquity), SD (Semidarkness), GC (Ground Cover), CF (Camouflage), and GR (Ground Resolution).

Interpretability of the photography is categorized as G (Good), F (Fair), and P (Poor). Target coverage is denoted by the symbols T (Total) or PT (Partial). The mode of coverage is indicated by ST (Stereo), NS (Non-Stereo), or PS (Partial Stereo).

When appropriate, an index follows "new" and "change" targets and another follows order of battle information, with targets in each index arranged alphabetically within a country.

AAA defenses are divided into three categories: light (ZPU-1, ZPU-2, ZPU-4, 37 mm), medium (57 mm, 85mm), and heavy (100 mm and larger). The term HMGAA (heavy machine gun antiaircraft) indicates a weapon smaller than a ZPU-1. Where a category cannot be determined, the site will be listed as an AAA site and the number of guns indicated (example: 6-gun AAA site, occupied/unoccupied).

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THIS SECTION PROVIDES A DESCRIPTION OF NEW TARGETS.

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>-NORTH VIETNAM-</p> <p>ELECTRONICS/COMMUNICATIONS</p> <p>HA NOI VEHICLE & RADAR MAINTENANCE FACILITY</p> <p>5.1 NM WNW OF HA NOI AND ADJACENT TO HA NOI ARMY BARRACKS WNW MAI DICH AT UTM WJ892270 (PREVIOUSLY REPORTED AS HA NOI SUPPLY DEPOT WNW).</p> <p>FACILITY CONTAINS 4 LARGE VEHICLE MAINTENANCE BUILDINGS, 1 SAWTOOTH-ROOF PROBABLE ELECTRONICS REPAIR BUILDING, 8 VEHICLE SHEDS/SHOPS, 5 VEHICLE MAINTENANCE RAMPS, 24 BARRACKS (11 WITH INTERCONNECTING CORRIDORS), 6 ADMINISTRATION BUILDINGS (5 MULTISTORY, 1 U-SHAPED), 1 MESSHALL, 9 STORAGE BUILDINGS, 16 SMALL STORAGE/SUPPORT BUILDINGS, AND AT LEAST 500 POL DRUMS.</p> <p>OB -- 5 FIRE CAN RADARS, 3 WHIFF RADARS (2 WITH ANTENNAS RETRACTED), 1 KNIFE REST RADAR, 1 TRACKED PRIME MOVER, 12 VAN TRUCKS, AND 4 VAN TRAILERS.</p> <p>ACTIVITY -- 29 CARGO TRUCKS, 14 UTILITY TRUCKS, 1 CARGO TRAILER, AND NUMEROUS OTHER VEHICLES.</p> <p>(SEE ATTACHMENT 1)</p> <p>25X1D</p>	2102N 10545E	0616		462-A
<p>INDUSTRY</p> <p>NGUYEN KHE LIGHT FABRICATION & MAINT FACIL</p> <p>1.4 NM SOUTH OF NGUYEN KHE AT UTM WJ885386.</p> <p>SITE CONTAINS 3 TWO-STORY AND 9 SINGLE-STORY BARRACKS, 2 MESSHALL, 11 VEHICLE MAINTENANCE, 11 STORAGE, AND 19 SUPPORT</p>	2108N 10551E	0616		221-11

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>BUILDINGS, NUMEROUS ROOF TRUSSES UNDER CONSTRUCTION, A WATER TOWER, 5 POL TANKS, AND 38 UNIDENTIFIED CRATES APPROXIMATELY 15 X 5 FT.</p> <p>ACTIVITY -- 2 CARGO TRUCKS, 1 POL TRUCK, 3 CARGO TRAILERS, 8 TRUCK-MOUNTED CRANES, 11 TRACTORS (1 WITH BULLDOZER BLADE, 2 TOWING SCRAPERS), 2 WHEELED TRACTORS, 1 SEDAN, AND 14 OTHER VEHICLES. (SEE ATTACHMENT 2)</p> <p>[REDACTED]</p>				
<p>BASIC SERVICES</p> <p>PHU LY RAIL TRANSSHIPMENT POINT 1 NM. SOUTH OF PHU LY AT UTM WH957690. AREA, SERVED BY A ROAD FROM ROUTE 1A, CONSISTS OF 3 SINGLE-STORY BUILDINGS, 8 STORAGE SHEDS, A RAIL SPUR, AND PROBABLE WHARFAGE ON THE BANK OF THE SONG DAY (RIVER). ACTIVITY -- 5 PROBABLE RAIL CARS, A LARGE JIB CRANE, AND SEVERAL BARGES ON THE RIVER.</p> <p>[REDACTED]</p>	2031N 10555E	0616		392-B
<p>PHU LY RAILROAD YARD AT PHU LY AT UTM WH957715. FOUR-TRACK RAILROAD YARD CONSISTS OF A STATION, SEVERAL SHOP BUILDINGS, AND AN UNSERVICEABLE RAIL SIDING. ACTIVITY -- 1 LOCOMOTIVE WITH TENDER AND 7 BOX, 2 FLAT, AND 22 GONDOLA CARS.</p> <p>[REDACTED]</p>	2032N 10555E	25X1A		392-B1

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
STORAGE				
THI CAM POL STORAGE 0.5 NM SE OF THI CAM AT UTM WJ791254. AT LEAST 1,500 POL DRUMS ARE ON A ROAD AND IN VEGETATION ALONG WEST BANK OF AN IRRIGATION CANAL. IMMEDIATELY WEST ARE FENCE-SECURED, POSSIBLE UNDERGROUND POL STORAGE BUNKERS ALONG A LOOP ROAD. (SEE ATTACHMENT 3) [REDACTED] 25X1D	2101N 10545E	0616		462-B1
HA NOI POL STORAGE TANKS 5.3 NM NW OF HA NOI AT UTM WJ810323. TEMPORARY POL STORAGE AREA CONTAINS 10 POL TANKS (APPROXIMATELY 10 X 30 FT) AND 51 POL TANKS (APPROXIMATELY 5 X 15 FT) SCATTERED AT THE BASE OF A TRANSMISSION LINE PYLON. (SEE ATTACHMENT 4) [REDACTED] 25X1D	2105N 10546E	0616		112-Q2

THIS SECTION PROVIDES A DESCRIPTION OF PREVIOUSLY REPORTED TARGETS SHOWING CHANGE.

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>-NORTH VIETNAM-</p> <p>MILITARY INSTALLATIONS</p> <p>HA NOI ARMY BARRACKS WNW MAI DICH 1 NM WEST OF MAI DICH AND ADJACENT TO HA NOI SUPPLY DEPOT WNW AT UTM WJ794267. FACILITY CONTAINS 17 BARRACKS, 3 ADMINISTRATION BUILDINGS, 1 MESSHALL, AND 6 STORAGE/SUPPORT BUILDINGS.</p> <p>25X1D</p>	2102N 10545E	25X1A		462-A1
<p>ELECTRONICS/COMMUNICATIONS</p> <p>HA NOI INTL RADIO TRANSMISSION STA DAI MO 5.7 NM SW OF HA NOI MARSHALLING YARD AT UTM WJ795202. FACILITY CONSISTS OF 2 LARGE AND 2 SMALL DOUBLE-RHOMBIC ANTENNAS ARRANGED IN PAIRS FOR DAY-NIGHT OPERATIONS, 1 OTHER DOUBLE-RHOMBIC ANTENNA, 4 MEDIUM RHOMBIC ANTENNAS ARRANGED IN PAIRS, 2 OTHER MEDIUM RHOMBIC ANTENNAS, 4 V ANTENNAS, AND 12 HORIZONTAL DIPOLE ANTENNAS. A WALL-SECURED CONTROL AREA CONTAINS A DOUBLE-WALLED TRANSMITTER BUILDING, 8 SUPPORT BUILDINGS, 2 COOLING PONDS, AND A CIRCULAR PROBABLE CONTROL BUNKER. A SECURED SUPPORT AREA IMMEDIATELY ENE OF THE CONTROL AREA CONTAINS 4 BARRACKS-TYPE, 1 MESSHALL, AND 10 SUPPORT BUILDINGS. A SECOND SECURED PROBABLE CONTROL AREA UNDER CONSTRUCTION IMMEDIATELY SE OF THE MAIN CONTROL AREA CONTAINS 2 LARGE BUNKERED BUILDINGS (1 WITH A DRIVE-IN ENTRANCE). (SEE ATTACHMENTS 5 AND 6)</p> <p>25X1D</p>	2059N 10546E	25X1A		256-A

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>INDUSTRY</p> <p>HA NOI CONCRETE PRODUCTS PLANT</p> <p>5.1 NM NW OF HA NOI AT UTM WJ807314.</p> <p>PLANT CONTAINS 1 MONITOR-ROOF CASTING BUILDING, 1 SMALL PROBABLE RAW MATERIAL CRUSHING/SCREENING FACILITY WITH CONVEYORS, 5 PROCESSING BUILDINGS (1 MONITOR-ROOF), 1 WATER STORAGE POND, 2 CIRCULAR PROBABLE WATER SETTLING PONDS, 1 WATER TOWER, 1 BOILER-HOUSE, 1 ADMINISTRATION BUILDING, 8 SUPPORT BUILDINGS, AND A CONCRETE PRODUCTS STORAGE AREA.</p> <p>ACTIVITY -- 2 CARGO TRUCKS AND 1 GANTRY, 2 JIB, AND 1 TRUCK-MOUNTED CRANE.</p> <p>(SEE ATTACHMENT 7)</p> <p>25X1D</p>	2105N 10546E	0616		112-Q

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THIS SECTION PROVIDES ORDER OF BATTLE INFORMATION.

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
-NORTH VIETNAM-				
GROUND				
HA NOI ARMY BARRACKS NNW THUY PHUONG OB -- 20 CARGO TRUCKS AND 3 BUSES. [REDACTED] 25X1D	2104N 10546E	25X1A [REDACTED]		112-M
NGUYEN KHE VEHICLE MAINTENANCE FACILITEY OB -- 6 TRACKED PRIME MOVERS, 3 BTR-40 APC, 90 CARGO TRUCKS, 3 VAN TRUCKS, 4 POL TRUCKS, 3 TRUCK-MOUNTED CRANES, 4 VAN TRAILERS, 10 CARGO TRAILERS, 9 MOBILE GENERATORS, AND 1 MOBILE AIR COMPRESSOR. [REDACTED] 25X1D	2109N 10546E	0616		221-F
ELECTRONICS/COMMUNICATIONS				
HA NOI VEHICLE & RADAR MAINTENANCE FACILITY OB -- 5 FIRE CAN RADARS, 3 WHIFF RADARS (2 WITH ANTENNAS RETRACTED), 1 KNIFE REST RADAR, 1 TRACKED PRIME MOVER, 12 VAN TRUCKS, AND 4 VAN TRAILERS. ACTIVITY -- 29 CARGO TRUCKS, 14 UTILITY TRUCKS, 1 CARGO TRAILER, AND NUMEROUS OTHER VEHICLES. (SEE ATTACHMENT 1) [REDACTED] 25X1D	2101N 10545E	0616		462-A
MISCELLANEOUS				
PHU LY RAIL TRANSSHIPMENT POINT ACTIVITY -- 5 PROBABLE RAIL CARS, A LARGE JIB CRANE, AND SEVERAL BARGES. [REDACTED] 25X1D	2031N 10555E	0616		392-B

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
PHU LY RAILROAD YARD ACTIVITY -- 1 LOCOMOTIVE WITH TENDER AND 7 BOX, 2 FLAT, AND 22 GONDOLA CARS. [REDACTED] 25X1D	2032N 10555E	25X1A [REDACTED]	[REDACTED]	392-B1
HA NOI CONCRETE PRODUCTS PLANT ACTIVITY -- 2 CARGO TRUCKS AND 1 GANTRY, 2 JIB, AND 1 TRUCK-MOUNTED CRANE. (SEE ATTACHMENT 7) [REDACTED] 25X1D	2105N 10546E	0616		112-Q
NGUYEN KHE LIGHT FABRICATION & MAINT FACIL ACTIVITY -- 2 CARGO TRUCKS, 1 POL TRUCK 3 CARGO TRAILERS, 8 TRUCK-MOUNTED CRANES, 11 TRACTORS (1 WITH BULLDOZER BLADE, 2 TOWING SCRAPERS), 2 WHEELED TRACTORS, 1 SEDAN, AND 14 OTHER VEHICLES. (SEE ATTACHMENT 2) [REDACTED] 25X1D	2108N 10551E	0616		221-I1
NGUYEN KHE RAIL TRANSFER POINT ACTIVITY -- 1 CARGO TRUCK, 9 TRACTORS (2 TOWING EARTH SCRAPERS), 1 TRUCK TRACTOR WITH FLATBED TRAILER, 1 TRUCK-MOUNTED CRANE, AND 1 ROAD GRADER. [REDACTED] 25X1D	2109N 10551E	0616		221-D

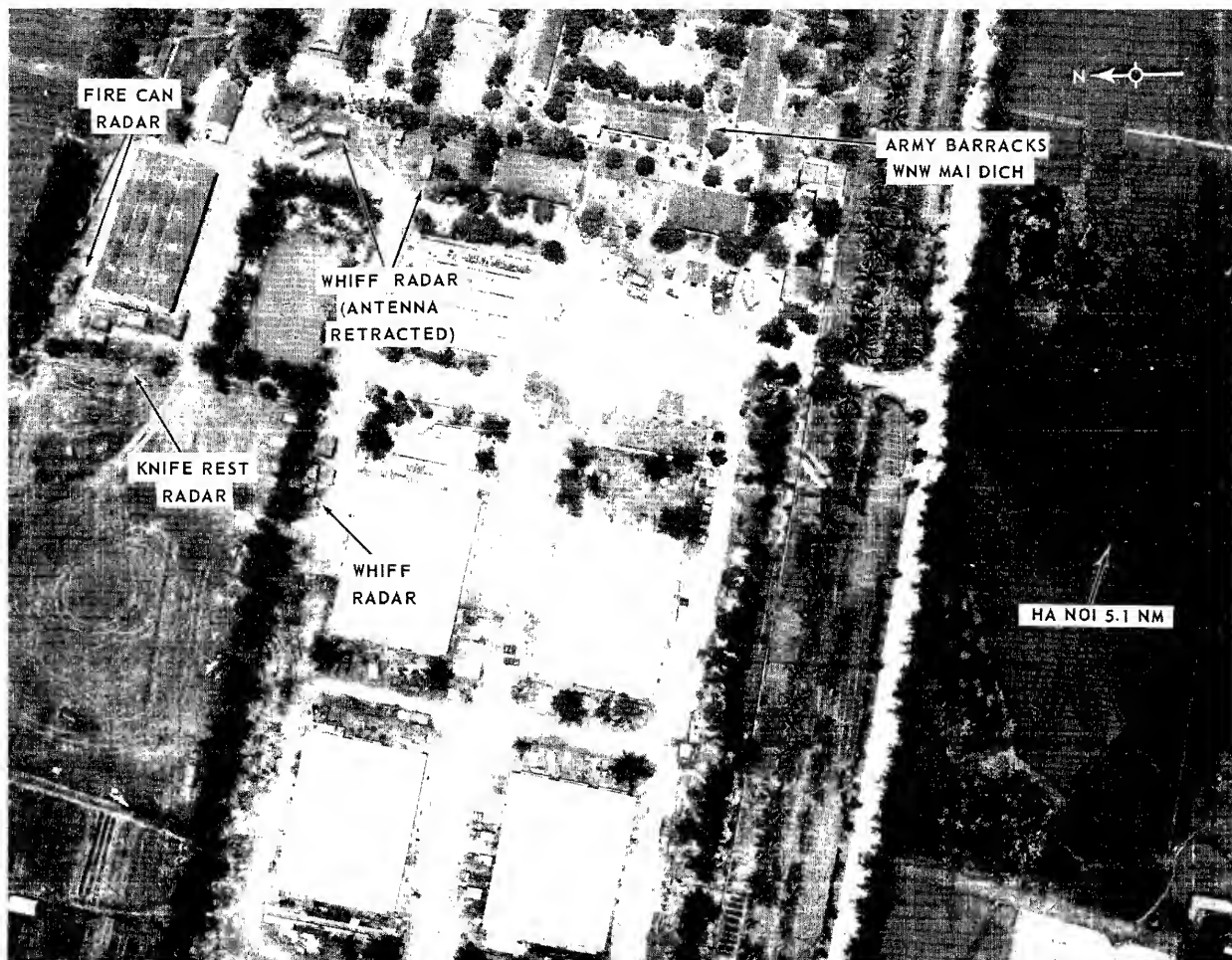
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ATTACHMENT 1



HA NOI VEHICLE AND RADAR MAINTENANCE FACILITY, NORTH VIETNAM

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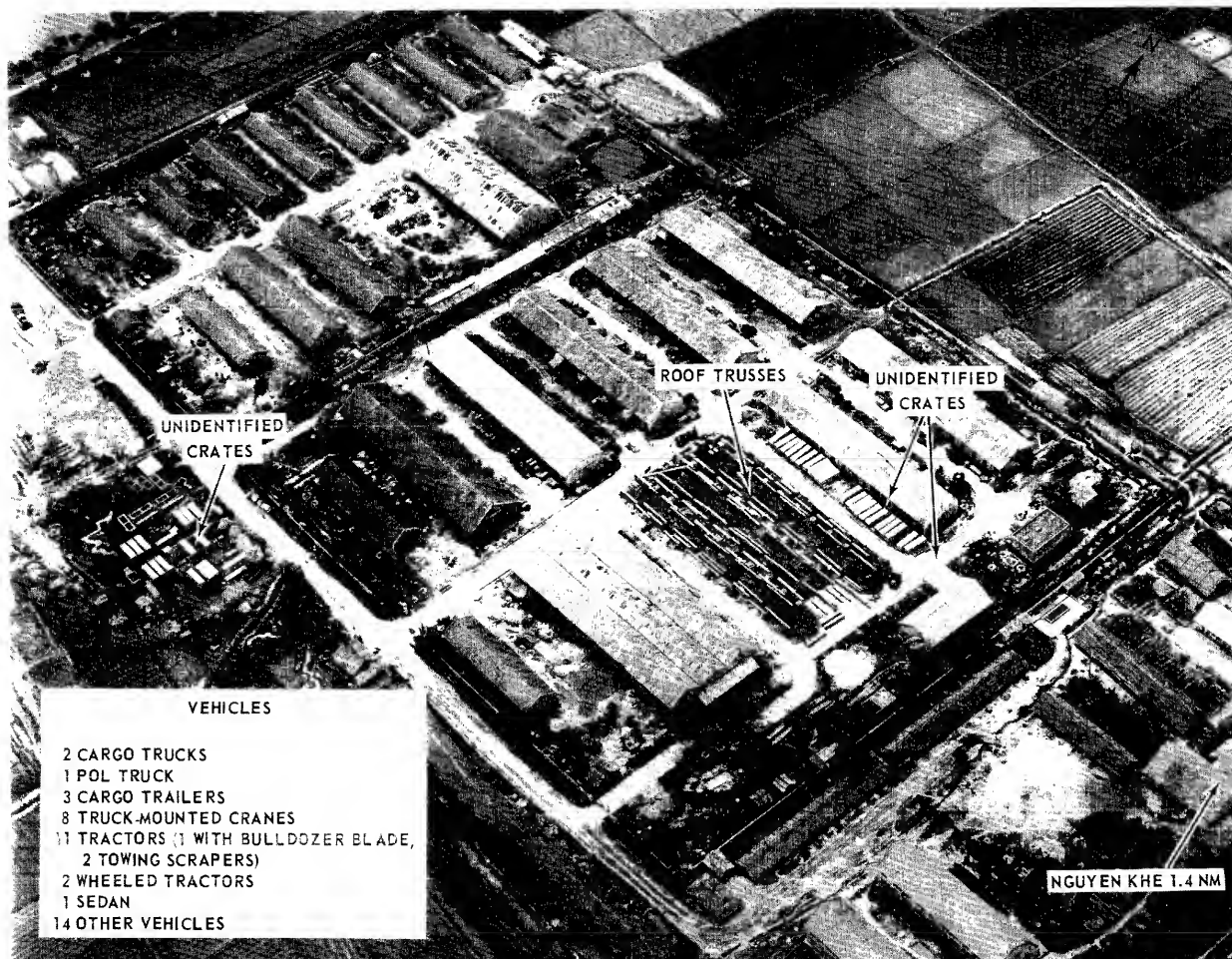
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ATTACHMENT 2

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NGUYEN KHE LIGHT FABRICATION AND MAINTENANCE FACILITY, NORTH VIETNAM

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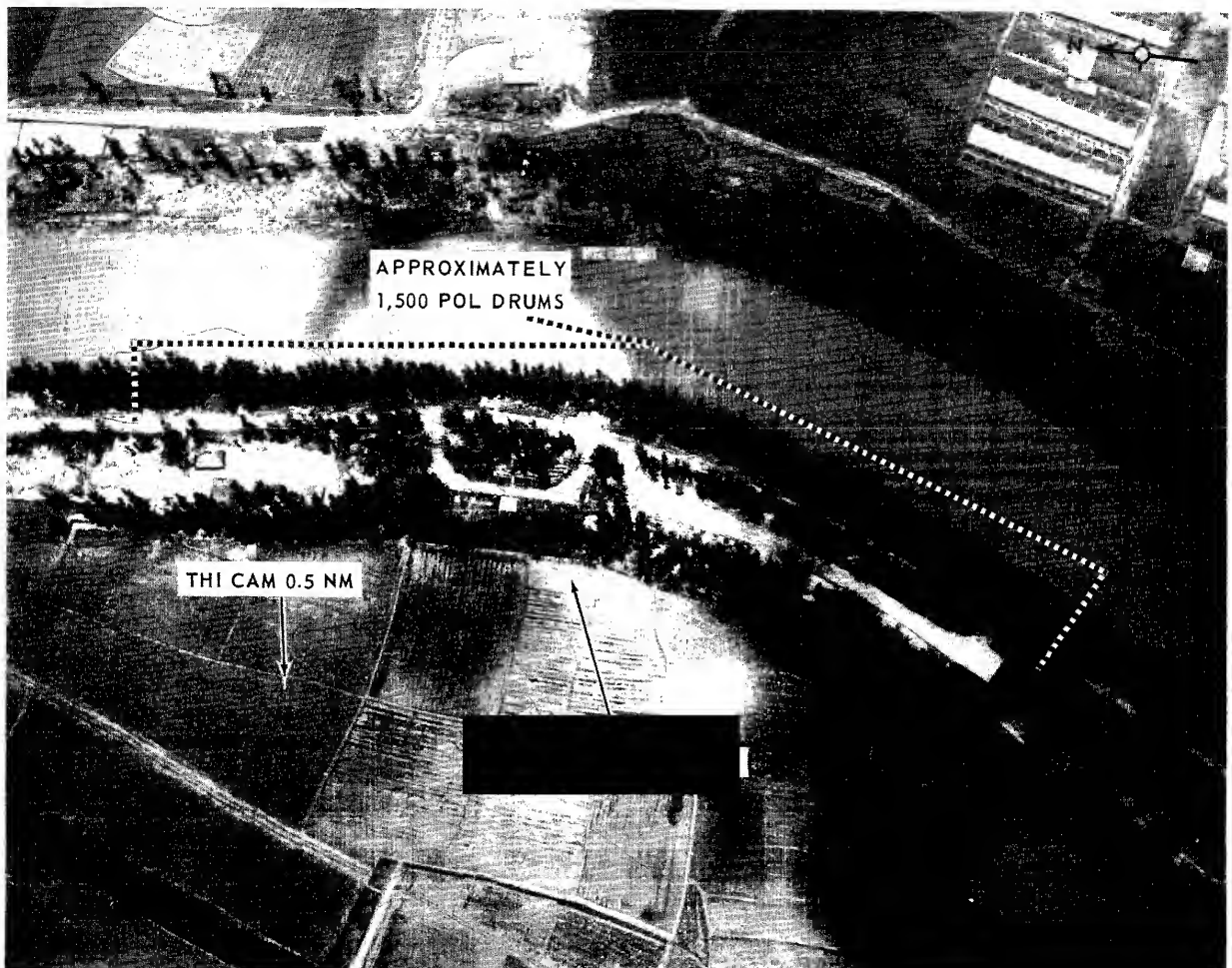
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ATTACHMENT 3



THI CAM POL STORAGE, NORTH VIETNAM 25X1B

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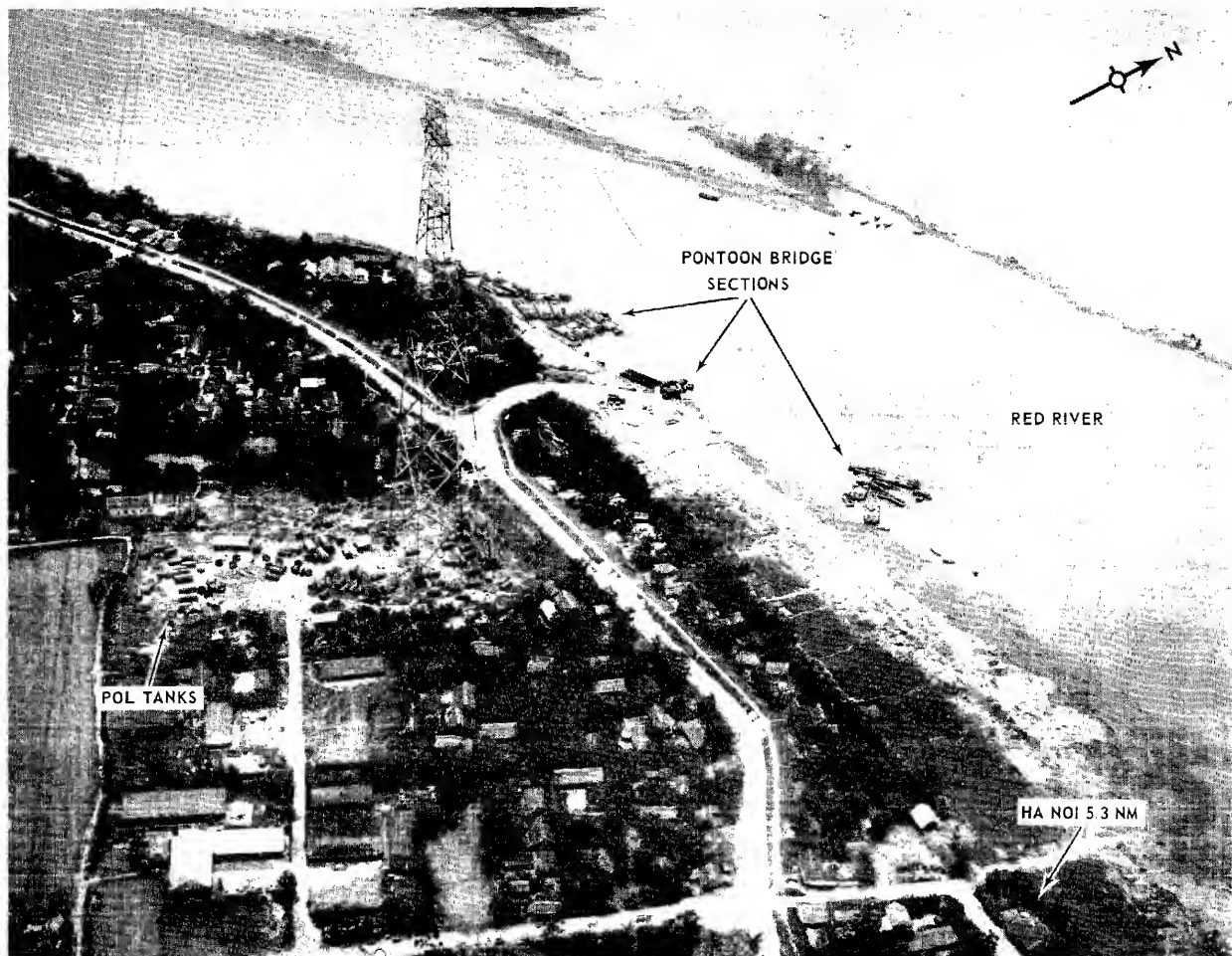
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ATTACHMENT 4



HA NOI POL STORAGE TANKS, NORTH VIETNAM

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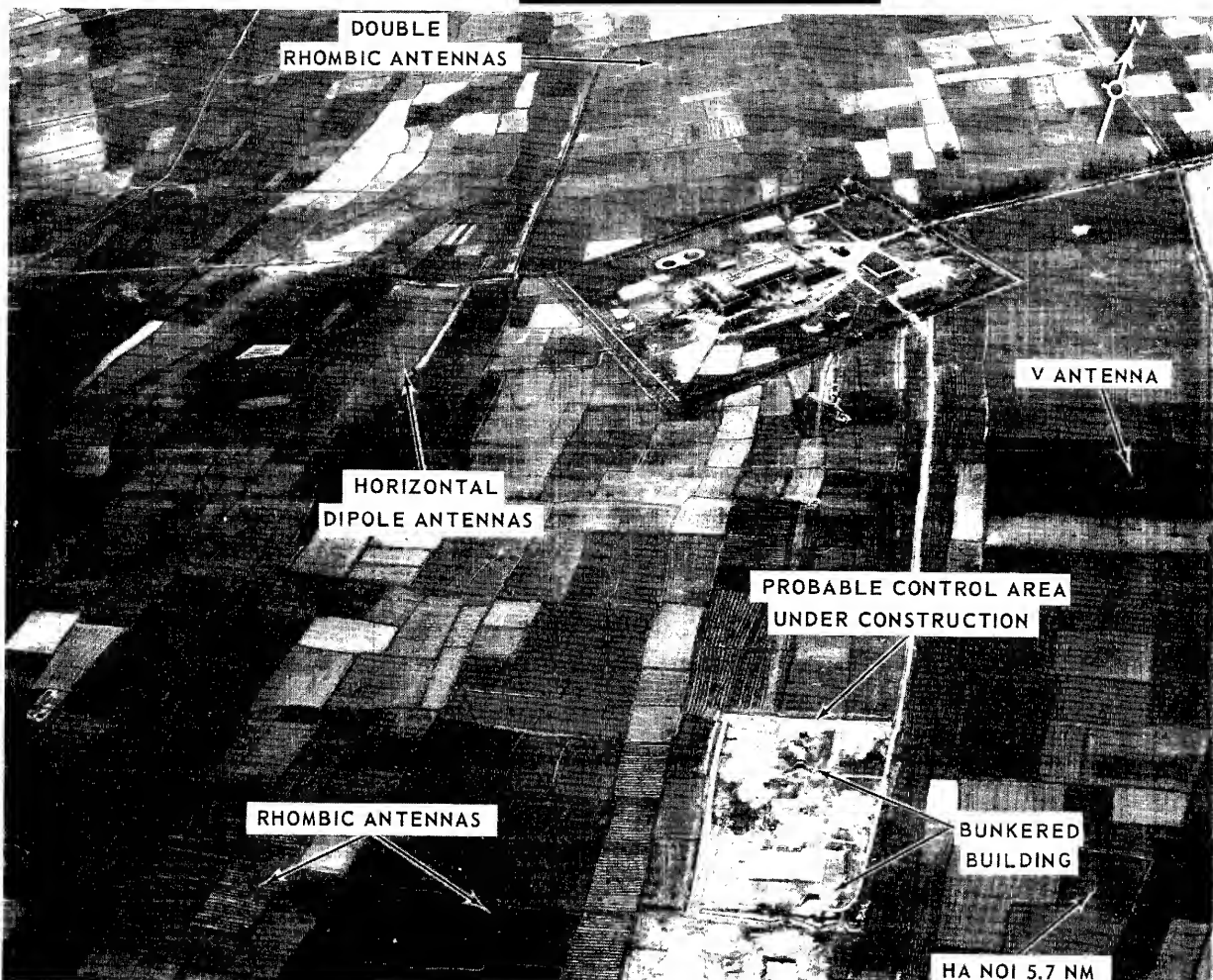
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HA NOI INTERNATIONAL RADIO TRANSMISSION STATION DAI MO, NORTH VIETNAM

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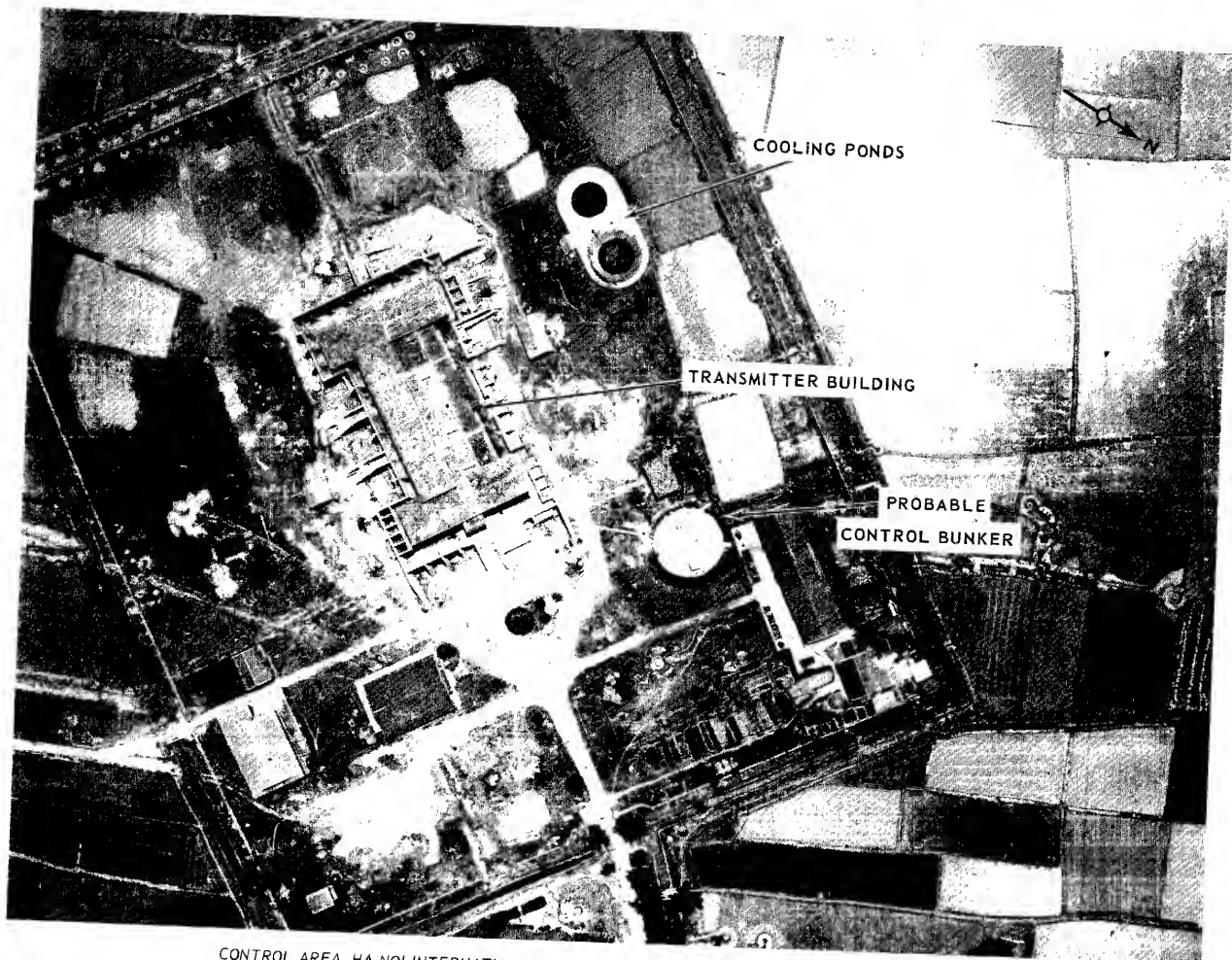
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CONTROL AREA, HA NOI INTERNATIONAL RADIO TRANSMISSION STATION DAI MO, NORTH VIETNAM

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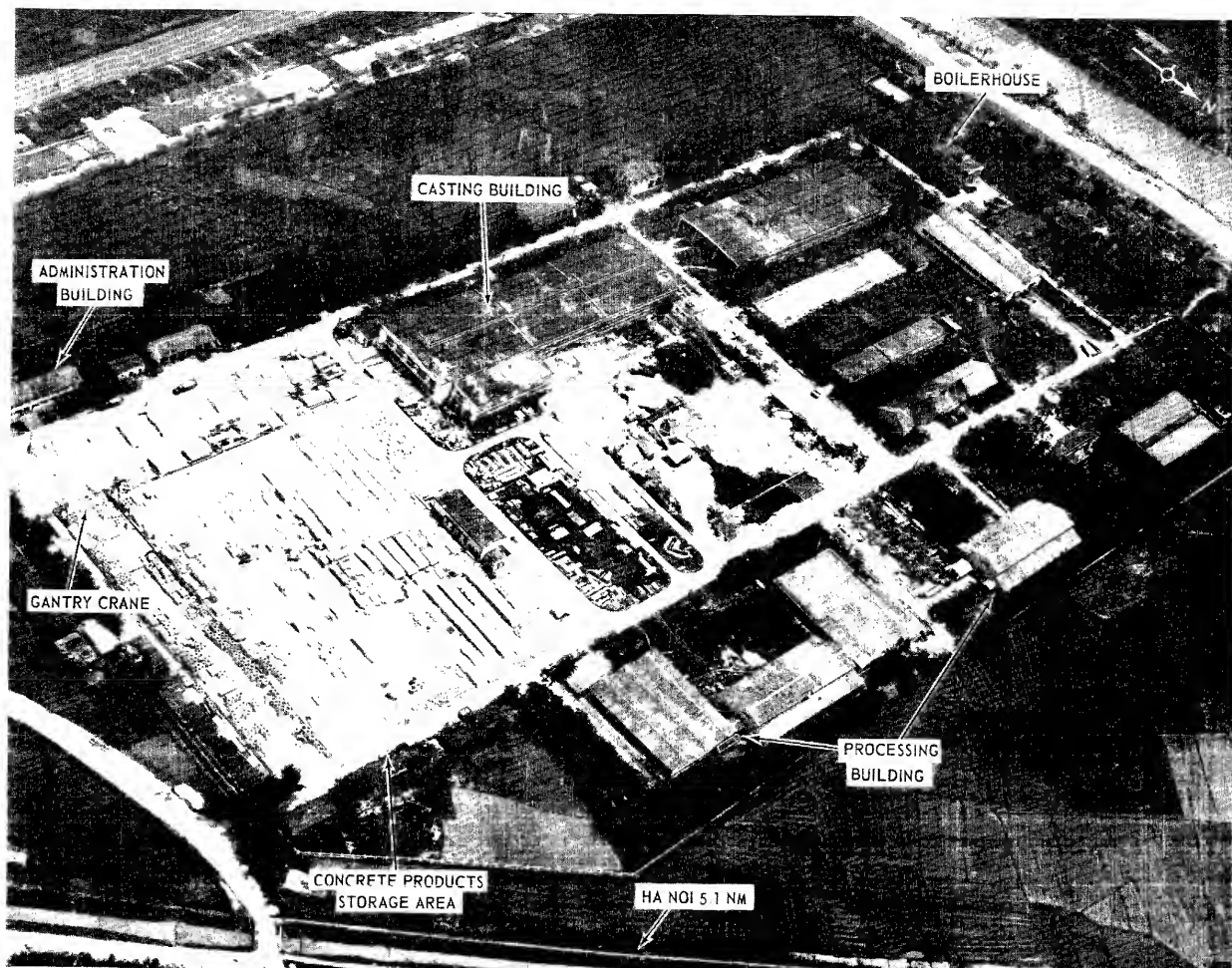
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HA NOI CONCRETE PRODUCTS PLANT, NORTH VIETNAM

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